

WHAT IS CLAIMED IS:

1. A method of detecting a cancer-associated transcript in a cell from a patient, comprising contacting a sample obtained from a patient with a polynucleotide that selectively hybridizes to a nucleic acid sequence as shown in Tables 1A-C.
- 5 2. The method of Claim 1, wherein the patient is suspected of suffering from a cancer.
3. The method of Claim 2, wherein the cancer is ZD1839 resistant.
4. The method of Claim 1, wherein the patient suffers symptoms of a neoplastic disease.
- 10 5. The method of Claim 1, wherein the patient is undergoing a therapeutic regimen to treat a neoplastic cancer or condition.
6. The method of Claim 1, wherein the sample comprises isolated nucleic acids.
7. The method of Claim 6, wherein the isolated nucleic acids are mRNA.
8. The method of Claim 6, further comprising the step of amplifying the isolated
- 15 nucleic acids before the step of contacting the sample with the polynucleotide.
9. The method of Claim 1, wherein the nucleic acid sequence is SEQ ID NO: 2.
10. The method of Claim 1, wherein the polynucleotide is immobilized on a solid surface.
11. An expression vector comprising a nucleic acid sequence as shown in Tables
- 20 1A-C.
12. The expression vector of Claim 11, wherein said nucleic acid sequence is SEQ ID NO: 2.
13. A host cell comprising the expression vector of Claim 11.
14. An antibody that binds to a polypeptide having a nucleic acid sequence as
- 25 shown in Tables 1A-C.
15. The antibody of Claim 14, wherein said polypeptide is SEQ ID NO:1.
16. The antibody of Claim 14, further conjugated to an effector component.
17. The antibody of Claim 16, wherein the effector component is a fluorescent label.
- 30 18. The antibody of Claim 17, wherein the effector component is a radioisotope or a cytotoxic chemical.

19. An antibody fragment wherein said antibody fragment binds to the polypeptide of Claim 14.

20. The antibody of Claim 14, wherein said antibody is a humanized antibody.

21. A method of detecting a cancer cell in a sample from a patient, comprising  
5 contacting a sample from a patient with the antibody of Claim 14.

22. The method of Claim 21, wherein the antibody is further conjugated to an effector component.

23. The method of Claim 22, wherein the effector component is a fluorescent label.

10 24. A method for identifying a compound that modulates a cancer-associated polypeptide comprising the steps of:

a) contacting a compound with a cancer-associated polypeptide, the polypeptide encoded by a polynucleotide sequence as shown in Tables 1A-C; and

15 b) determining the functional effect of the compound upon the polypeptide.

25. A drug screening assay comprising the steps of

a) administering a test compound to a mammal having a cancer, or a cell isolated therefrom;

20 b) comparing the level of gene expression of a polynucleotide that selectively hybridizes to a sequence as shown in Tables 1A-C in a treated cell or mammal with the level of gene expression of the polynucleotide in a control cell or mammal, wherein a test compound that modulates the level of expression of the polynucleotide is a candidate for the treatment of the cancer.